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(71) Applicant: STARGUIDE DIGITAL NETWORKS [US/US]; Suite 1510, 300 E. Second Street, Reno, NV 89501 (US).			
(72) Inventors: DONAHUE, Paul, W.; 4395 Bitterroot Road, Reno, NV 89509 (US). DANKWORTH, Jeffrey, A.; 95 Riverdale Circle, Reno, NV 89439 (US). HINDERKS, Larry, W.; 70 Promontory Pointe, Reno, NV 89509 (US). FISH, Laurence, A.; 1840 Lyndon Road, San Diego, CA 92013 (US). LERNER, Ian, A.; 7260-B Calabria Court, San Diego, CA 92122 (US). BALLISTER, Thomas, C.; 4763 Bradford Lane, Reno, NV 89509 (US). ROBERTS, Roswell, R., III; 1172 Woodrush Court, San Diego, CA 92128 (US).			
(74) Agents: POLIT, Robert, B. et al.; McAndrews, Held & Malloy, Ltd., Suite 3400, 500 West Madison, Chicago, IL 60661 (US).			

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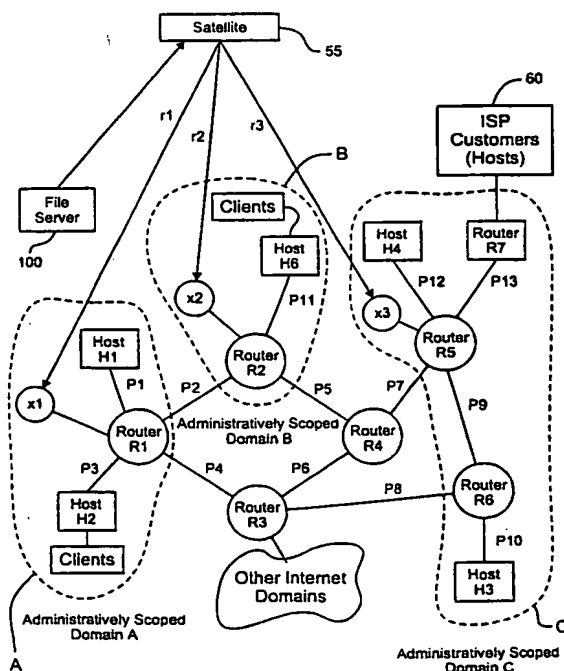
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(54) Title: HIGH BANDWIDTH BROADCAST SYSTEM HAVING LOCALIZED MULTICAST ACCESS TO BROADCAST CONTENT

(57) Abstract

A method of multicasting digital data to a user accessing an Internet connection is disclosed. The method includes placing digital data that is to be multicast in IP protocol to generate IP digital data. The IP digital data is transmitted from a transmission site (100) to a remote Internet point of presence (55) through a dedicated transmission channel substantially separate from Internet backbone. The dedicated transmission channel may be, for example, a satellite channel. At the remote Internet point of presence, the IP digital data is multicast for delivery to at least one receiving Internet user's apparatus (A, B, C) connected to, but distal from, the remote Internet point of presence.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US97/20734

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : H01J 13/00; H04J 3/02, 3/24; H04Q 11/04

US CL : Please See Extra Sheet

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 370/260, 348, 389, 397, 432; 395/200.33, 200.48, 200.47, 200.57, 200.59, 200.6, 200.8, 200.16, 200.62, 200.68, 200.79

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS

search terms: internet, IP protocol, multicast

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,550,984 A (GELB) 27 August 1996, col. 2, lines 8-37, col. 4, lines 3-46, col. 5, lines 13-24, col. 7, lines 17-23.	1, 10 ----- 2-9, 11-87
Y,P	US 5,684,799 A (BIGHAM et al) 04 November 1997, col. 22 line 29 to col. 23 line 2.	2-9, 11-87
A	US 5,432,907 A (PICAZO, JR. et al) 11 July 1995, see entire document.	1-87
A,E	US 5,764,916 A (BUSEY et al) 09 June 1998, see entire document.	1-87
A,E	US 5,751,961 A (SMYK) 12 May 1998, see entire document.	1-87

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Authorized officer

SHICK HOM

Telephone No.

(703) 305-4742

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370/260, 348, 389, 397, 432; 395/200.33, 200.48, 200.47, 200.57, 200.59, 200.6, 200.8, 200.16, 200.62, 200.68, 200.79